

Progress for
Development and Implementation of NHC/JHT Products in ATCF
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- 1) To evaluate wind radii CLIPER models developed and implemented during the previous season (95%). This included many changes to the wind radii statistics routines. The only outstanding task is support for publication of paper (Knaff, Sampson, DeMaria, Marchok, Gross and McAdie; Weather and Forecasting).
- 2) To implement the Monte Carlo wind probabilities (99%). The wind probabilities graphics (single storm) can now be generated automatically on the ATCF. JTWC just started posting these as products. The NHC forecasters can view them as needed on ATCF (to create warning areas, etc) as they are available about three minutes after the advisory is created.
- 3) To implement the Goerss Probability Consensus Error (GPCE)
 - a. Data retention (100%)
 - b. Display (100%)
 - c. Evaluation (20%)
 - d.
- 4) To streamline imagery overlays and add products as requested (95%). Imagery overlay bug due to change of O/S fixed. We can oblige requests as needed.
- 5) To improve objective best track capability (30%). This work includes many GUI changes to make these data visible via ATCF.
- 6) To automate the tropical cyclone fix entry in NHC operations (95%). There are still two fix messages that might be of use to NHC – the CIRA wind analysis fix (CIRW) and the NRL scatterometer fix (NRLM). These can be made available on request.
- 7) To modify ATCF user interface and code to improve forecaster efficiency (80%). The largest task currently on the forecaster list is the new wind radii forecast dialog.